



F&C

FILLING &
CAPPING

K-SERIES LEVEL FILLERS FOR FREE-FLOWING LIQUIDS



Durable and dependable level fillers optimized for pint (16 oz/473 mL) to half-gallon (64 oz/1.89 L) size containers

Federal offers a wide range of durable and dependable level fillers for free-flowing fluid products that require consistent fill levels. Our K-Series level fillers are optimized to run mid-range container sizes from 16 oz. (473 mL) to 64 oz (1.89 L) at speeds up to 960 cpm.

All Federal fillers feature hygienic designs that make them easy to operate and easy to clean in even the most demanding production environments. They are recognized throughout the industry for their durable and dependable performance.

Federal fillers are capable of cold fill, ambient fill and hot fill applications. They are widely used for free-flowing liquids including milks, smoothies, yogurt drinks, kefir, laban, juices, juice drinks, iced teas, gallon water and kidney dialysis fluids.

K-Series fillers are offered with eleven base sizes and bowl pitch diameters to accommodate a wide range of speed or footprint requirements. 16 oz. (473 mL) steady-state speeds range from 160 cpm on our 18-valve K-Series filler to 960 cpm on our largest 96-valve K-Series filler.

FEATURES AND BENEFITS

- **Hygienic 3-A certified design** - K-series level fillers include models authorized to display the 3-A symbol for third party verified sanitary designs
- **Consistent fill levels** - Federal filling valves deliver consistent, accurate fill levels regardless of container type or size
- **Multiple container types** - Federal fillers are compatible with HDPE, PET and glass containers
- **Stainless steel construction** - Federal fillers are recognized for durable and dependable performance and long useful lives
- **Fast, tool-less size changeovers** - Container size changeovers can be completed in less than 15-minutes
- **Multiple filling valve options** - Multiple filling valve configurations, including light-weight container valves, accommodate a variety of product applications
- **Standard & ESL models** - A complete range of extended shelf life options including HEPA enclosures and cap sterilization are offered
- **Multiple configurations** - Tribloc rinser filler capper, monobloc filler capper and filler only machine configurations are available

TYPICAL PRODUCT SPECIFICATIONS

K-SERIES LEVEL FILLERS FOR 160 TO 350 CPM (16 oz. / 473 mL)

BASE #	2	3	4	5	6
Base Dimensions	69" X 54"	78" x 60"	93" x 63"	116" x 84"	128" x 94"
Bowl Pitch Diameter	30"	35"	40"	48"	55.3"
Filling Valves Capping Heads	18.6	21.7	24.10	30.10	36.12
Nominal Filling Speeds*	16 oz / 160 cpm 32 oz / 110 cpm 64 oz / 75 cpm	16 oz / 190 cpm 32 oz / 130 cpm 64 oz / 90 cpm	16 oz / 240 cpm 32 oz / 150 cpm 64 oz / 110 cpm	16 oz / 300 cpm 32 oz / 185 cpm 64 oz / 140 cpm	16 oz / 350 cpm 32 oz / 225 cpm 64 oz / 160 cpm

K-SERIES LEVEL FILLERS FOR 450 TO 960 CPM (16 oz. / 473 mL)

BASE #	7	8	9	10	11	12
Base Dimensions	140" x 94"	188" x 128"	207" x 169"	220" x 183"	230" x 197"	250" x 221"
Bowl Pitch Diameter	66"	84"	96"	108"	120"	144"
Filling Valves Capping Heads	45.15	54.18	64.24	72.24	80.24	96.42
Nominal Filling Speeds*	16 oz / 450 cpm 32 oz / 280 cpm 64 oz / 220 cpm	16 oz / 540 cpm 32 oz / 340 cpm 64 oz / 265 cpm	16 oz / 640 cpm 32 oz / 400 cpm 64 oz / 315 cpm	16 oz / 720 cpm 32 oz / 450 cpm 64 oz / 355 cpm	16 oz / 800 cpm 32 oz / 500 cpm 64 oz / 395 cpm	16 oz / 960 cpm 32 oz / 600 cpm 64 oz / 475 cpm

*Nominal filling speeds for a water like product. Actual filling speeds will be dependent upon container neck finish diameter, product viscosity, and other product characteristics.

OPTIONS

- Allen-Bradley PLC & HMI
- Lightweight bottle filling valves
- Laser scanner safety guarding
- Automated filler CIP systems
- CIP skids
- HEPA enclosure
- Cap sterilization
- Sealed filling bowl
- Zalkin pick & place capping systems
- Container rinsing
- Tribloc rinser-filler-capper configurations
- Hot-fill product configurations
- ZPI Line Performance Monitoring & Analysis System
- Spare parts kit
- Proactive Maintenance Service Program

©2018 ProMach Inc. ProMach reserves the right to change or discontinue specifications and designs shown in this brochure without notice or recourse
PM-FED-SP101_Federal_K-Series_1019

PHONE
844-838-1704

EMAIL
Federal@ProMachBuilt.com

WEB
FederalMfg.com

ProMach Filling Systems
N15 W23500 Stone Ridge Drive
Waukesha, WI 53188